GenCore version 5.1.6

OM nucleic - nucleic search, using sw model

Run on: March 3, 2005, 12:05:14 ; Search time 1226.94 Seconds
(without alignments)
10910.664 Million cell updates/sec

Title: US-09-310-638-1
Perfect score: 2256
Sequence: 1 CCTCTCTCCCCTCATCTTTG.....AAAAAAAAAAAAAAAAAAAA 2256

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 5401638 seqs, 2966923429 residues

Total number of hits satisfying chosen parameters: 10803276

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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3	1719.6	76.2	14446	9	US-09-810-861B-4	Sequence 4, Appli
c 4	740	32.8	740	16	US-10-029-386-22811	Sequence 22811, A
c 5	594	26.3	594	16	US-10-029-386-25399	Sequence 25399, A
c 6	501	22.2	501	16	US-10-029-386-11696	Sequence 11696, A
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8	421.4	18.7	2416	16	US-10-032-233-19	Sequence 19, Appl
9	421.4	18.7	2416	16	US-10-032-233-33	Sequence 33, Appl
10	421.4	18.7	2416	18	US-10-413-432-15	Sequence 15, Appl
11	421.4	18.7	2416	18	US-10-413-432-19	Sequence 19, Appl
12	421.4	18.7	2416	18	US-10-413-432-33	Sequence 33, Appl
13	421.4	18.7	2416	18	US-10-324-466-15	Sequence 15, Appl
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17	419.8	18.6	1725	18	US-10-326-892-1	Sequence 1, Appli
18	419.8	18.6	1967	9	US-09-748-739A-1	Sequence 1, Appli
19	419.8	18.6	2416	9	US-09-748-739A-3	Sequence 3, Appli
20	419.8	18.6	2416	16	US-10-032-233-11	Sequence 11, Appl
21	419.8	18.6	2416	16	US-10-032-233-17	Sequence 17, Appl
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34	418.2	18.5	2416	9	US-09-748-739A-7	Sequence 7, Appli
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ALIGNMENTS

RESULT 1
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; Sequence 5, Application US/09810861B
; Patent No. US20020162140A1
; GENERAL INFORMATION:
; APPLICANT: Mor, Tsafrir S.
; APPLICANT: Soreq, Hermona
; APPLICANT: Arntzen, Charles J.
; APPLICANT: Mason, Hugh S.
; TITLE OF INVENTION: EXPRESSION OF RECOMBINANT HUMAN ACETYLCHOLINESTERASE IN
; TITLE OF INVENTION: TRANSGENIC PLANTS
; FILE REFERENCE: BTI-45
; CURRENT APPLICATION NUMBER: US/09/810,861B
; CURRENT FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/190,440
; PRIOR FILING DATE: 2000-03-17
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PatentIn Ver. 3.1
; SEQ ID NO 5
; LENGTH: 1725
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; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
; OTHER INFORMATION: human acetylcholinesterase gene optimized for
; OTHER INFORMATION: expression in plants
US-09-810-861B-5

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GenCore version 5.1.6

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Run on: March 3, 2005, 06:55:38 ; Search time 364.497 Seconds
(without alignments)
10127.488 Million cell updates/sec

Title: US-09-310-638-1
Perfect score: 2256
Sequence: 1 CCTCTCTCCCCTCATCTTTG.....AAAAAAAAAAAAAAAAAAAA 2256

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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7	1888	83.7	3096	2	US-08-370-156-3	Sequence 3, Appli
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39	141	6.2	3018	6	5200183-1	Patent No. 5200183
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ALIGNMENTS

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;  GENERAL INFORMATION:
;    APPLICANT:  Soreq, Hermona
;    APPLICANT:  Zakut, Haim
;    APPLICANT:  Eckstein, Fritz
;    TITLE OF INVENTION:  Synthetic Antisense
;    TITLE OF INVENTION:  Oligodeoxynucleotides and Pharmaceutical Compositions
;    TITLE OF INVENTION:  Containing Them
;    NUMBER OF SEQUENCES:  9
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Kohn & Associates
;      STREET:  30500 No. 5891725thwestern Hwy., Suite 410
;      CITY:  Farmington Hills
;      STATE:  Michigan
;      COUNTRY:  US
;      ZIP:  48334
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/318,826A
;      FILING DATE:
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Kohn, Kenneth I.
;      REGISTRATION NUMBER:  30,955
;      REFERENCE/DOCKET NUMBER:  2391.00001
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (248) 539-5050
;      TELEFAX:  (248) 539-5055
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  2256 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA to mRNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
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;      ORGANISM:  Homo sapiens
;    FEATURE:
;      OTHER INFORMATION:  /note= "Splice variant: Exons 1, 2,
;      OTHER INFORMATION:  3, 4 and 6"
US-08-318-826A-5
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GenCore version 5.1.6

OM nucleic - nucleic search, using sw model

Run on: March 3, 2005, 12:05:14 ; Search time 1683.78 Seconds
(without alignments)
10910.664 Million cell updates/sec

Title: US-09-310-638-3
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Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 5401638 seqs, 2966923429 residues

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	1722.4	55.6	1725	9	US-09-810-861B-5	Sequence 5, Appli
2	1720	55.6	5767	9	US-09-810-861B-3	Sequence 3, Appli
3	1720	55.6	14446	9	US-09-810-861B-4	Sequence 4, Appli
c 4	740	23.9	740	16	US-10-029-386-22811	Sequence 22811, A
c 5	594	19.2	594	16	US-10-029-386-25399	Sequence 25399, A
c 6	501	16.2	501	16	US-10-029-386-11696	Sequence 11696, A
7	411.2	13.3	449	10	US-09-918-995-27556	Sequence 27556, A
8	383.2	12.4	2416	16	US-10-032-233-15	Sequence 15, Appl
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10	383.2	12.4	2416	16	US-10-032-233-33	Sequence 33, Appl
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12	383.2	12.4	2416	18	US-10-413-432-19	Sequence 19, Appl
13	383.2	12.4	2416	18	US-10-413-432-33	Sequence 33, Appl
14	383.2	12.4	2416	18	US-10-324-466-15	Sequence 15, Appl
15	383.2	12.4	2416	18	US-10-324-466-19	Sequence 19, Appl
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18	381.6	12.3	1725	18	US-10-326-892-1	Sequence 1, Appli
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23	381.6	12.3	2416	16	US-10-032-233-27	Sequence 27, Appl
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ALIGNMENTS

RESULT 1
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; Sequence 5, Application US/09810861B
; Patent No. US20020162140A1
; GENERAL INFORMATION:
; APPLICANT: Mor, Tsafrir S.
; APPLICANT: Soreq, Hermona
; APPLICANT: Arntzen, Charles J.
; APPLICANT: Mason, Hugh S.
; TITLE OF INVENTION: EXPRESSION OF RECOMBINANT HUMAN ACETYLCHOLINESTERASE IN
; TITLE OF INVENTION: TRANSGENIC PLANTS
; FILE REFERENCE: BTI-45
; CURRENT APPLICATION NUMBER: US/09/810,861B
; CURRENT FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/190,440
; PRIOR FILING DATE: 2000-03-17
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; OTHER INFORMATION: human acetylcholinesterase gene optimized for
; OTHER INFORMATION: expression in plants
US-09-810-861B-5

Query Match 55.6%; Score 1722.4; DB 9; Length 1725;
Best Local Similarity 99.9%; Pred. No. 0;
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GenCore version 5.1.6

OM nucleic - nucleic search, using sw model

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(without alignments)
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Gapop 10.0 , Gapext 1.0

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Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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6: /cgn2_6/ptodata/1/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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32	185.6	6.0	764	6	5215909-7	Patent No. 5215909
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37	141	4.6	2781	4	US-09-569-611C-6	Sequence 6, Appli
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ALIGNMENTS

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;  GENERAL INFORMATION:
;    APPLICANT:  Soreq, Hermona
;    APPLICANT:  Zakut, Haim
;    APPLICANT:  Eckstein, Fritz
;    TITLE OF INVENTION:  Synthetic Antisense
;    TITLE OF INVENTION:  Oligodeoxynucleotides and Pharmaceutical Compositions
;    TITLE OF INVENTION:  Containing Them
;    NUMBER OF SEQUENCES:  9
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Kohn & Associates
;      STREET:  30500 No. 5891725thwestern Hwy., Suite 410
;      CITY:  Farmington Hills
;      STATE:  Michigan
;      COUNTRY:  US
;      ZIP:  48334
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/318,826A
;      FILING DATE:
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Kohn, Kenneth I.
;      REGISTRATION NUMBER:  30,955
;      REFERENCE/DOCKET NUMBER:  2391.00001
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (248) 539-5050
;      TELEFAX:  (248) 539-5055
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  3096 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA to mRNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
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;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  160..1959
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GenCore version 5.1.6

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Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_NA:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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20	1135.8	37.7	1215	2	US-08-370-156-26	Sequence 26, Appl
21	380	12.6	2381	2	US-08-318-826A-9	Sequence 9, Appli
22	380	12.6	2416	2	US-08-318-826A-8	Sequence 8, Appli
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26	378.4	12.5	2400	6	5215909-13	Patent No. 5215909
27	378.4	12.5	2400	6	5215909-13	Patent No. 5215909
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31	322.8	10.7	2445	6	5215909-9	Patent No. 5215909
32	185.6	6.2	764	6	5215909-7	Patent No. 5215909
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36	142.6	4.7	2734	4	US-09-569-611C-5	Sequence 5, Appli
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ALIGNMENTS

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;    APPLICANT:  Zakut, Haim
;    APPLICANT:  Eckstein, Fritz
;    TITLE OF INVENTION:  Synthetic Antisense
;    TITLE OF INVENTION:  Oligodeoxynucleotides and Pharmaceutical Compositions
;    TITLE OF INVENTION:  Containing Them
;    NUMBER OF SEQUENCES:  9
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Kohn & Associates
;      STREET:  30500 No. 5891725thwestern Hwy., Suite 410
;      CITY:  Farmington Hills
;      STATE:  Michigan
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;      FILING DATE:
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Kohn, Kenneth I.
;      REGISTRATION NUMBER:  30,955
;      REFERENCE/DOCKET NUMBER:  2391.00001
;    TELECOMMUNICATION INFORMATION:
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;      TELEFAX:  (248) 539-5055
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GenCore version 5.1.6

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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ALIGNMENTS

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; Sequence 5, Application US/09810861B
; Patent No. US20020162140A1
; GENERAL INFORMATION:
; APPLICANT: Mor, Tsafrir S.
; APPLICANT: Soreq, Hermona
; APPLICANT: Arntzen, Charles J.
; APPLICANT: Mason, Hugh S.
; TITLE OF INVENTION: EXPRESSION OF RECOMBINANT HUMAN ACETYLCHOLINESTERASE IN
; TITLE OF INVENTION: TRANSGENIC PLANTS
; FILE REFERENCE: BTI-45
; CURRENT APPLICATION NUMBER: US/09/810,861B
; CURRENT FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/190,440
; PRIOR FILING DATE: 2000-03-17
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; OTHER INFORMATION: expression in plants
US-09-810-861B-5

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